

OPTONICA LED

Infrared motion sensor

7312

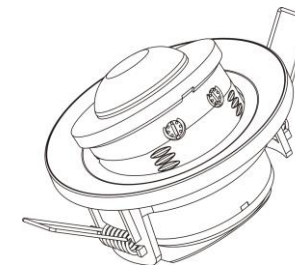


www.OPTONICALED.com

IMPORTER: Prima Group 2004 LTD, Bulgaria, 1784 Sofia, Mladost 1, bl. 144, Ground Floor; Phone: +359 2 988 45 72;

Thank you for purchasing 7312 infrared motion sensor!

The product has a good sensitivity detector and an integrated circuit. It combines automation, convenience, safety and energy-efficiency. It utilizes the infrared energy emitted from human body as control-signal source, it starts the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and has wide usage application.



SPECIFICATION:

Power Source: 220 -240V/AC

Power Frequency: 50-60Hz

Ambient Light: <10-2000LUX (adjustable)

Time-Delay: min: 10sec±3sec

max: 15min±3min

Rated Load: 1200W/220V (incandescent lamp)

300W/220V (energy-saving lamp)

Detection Motion Speed: 0.6~1.5m/s

Detection Range: 360°

Detection Distance: 8m+ max (<24°C)

Working Temperature: -10~+40°C

Working Humidity: <93%RH

Installation Height: 2.2m~4m

Power Consumption: 0.9W (work)

0.9W (static)

FUNCTION :

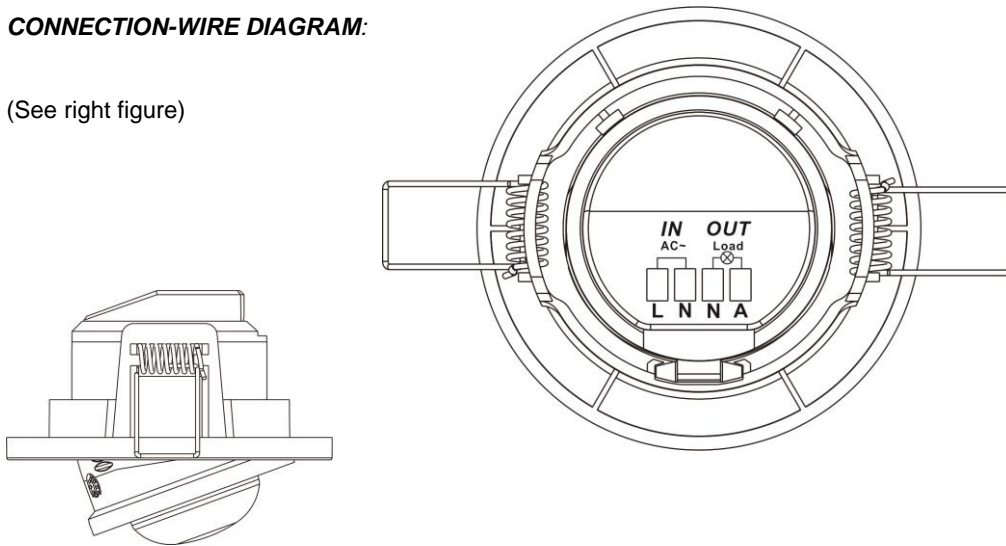
- LUX adjustable: The consumer can adjust work ambient light. It can work in the daytime and at night when it is adjusted on the "sun" position (max). It can work in the ambient light less than 10LUX when it is adjusted on the "moon" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Time-delay is added continually: When it receives the second induction signals after the first induction, it will compute time once more on the rest of the first time-delay basic (set time).
- Time-delay adjustment: It can be set according to the consumer's desire. The minimum time is 10sec±3sec. The maximum is 15min±3min.

INSTALLATION INSTRUCTIONS:

- Shut off the power source.
- Firstly, screw the middle part with the sensor part together, check the right figure, (this part is screwed when leaving factory)
- Unscrew the side of the middle part, and install the gimbals' base in the ceiling or other place where you want to install, fasten the sensor part (first step in here) with the base, screw and fix the sensor part to base.
- Connect the power and load together according to the following figure.
- Switch on the power and test it.

CONNECTION-WIRE DIAGRAM:

(See right figure)



TEST:

- After installation, Turned LUX knob clockwise to the maximum (SUN position). Turned time knob anti-clockwise to the minimum (-).
- Turn on the power, the sensor will be electrify and warm-up, 30 sec later, the item will be entered into working estate.
- 5~10 seconds after the light goes out for the first time and then sensing, the load should be worked.
- Turns LUX knob anti-clockwise to the minimum. If it is tested under the circumstance below 10LUX, load should not work after induction load stop working; but if you cover the detection window with opaque objects (towel etc), the load works. Under the condition of no induction signals, the load should stop working within 5-15 sec.

NOTED: When testing in Daylight, please turn LUX knob to ☀ (SUN) position, otherwise, the sensor will not induce and make the light bright.

NOTE:

- Must be installed by a qualified electrician.
- Avoid installing it on unstable surfaces.
- There shouldn't be any objects and/or moving object in front of the detection window disrupting detection.
- Avoid installing it near air temperature alteration zones such as air conditioners, central heating, etc.
- For your safety, DO NOT open the cover or in any way disassemble without shutting down power first.

TROUBLESHOOTING:

- The load don't work:
 - a. Please check if the power and/or load connection is correctly set.
 - b. Check if the load is good.
 - c. Check if the working light corresponds to the ambient light.
- The sensitivity is poor:
 - a. Please check if there is any object in front of the detection screen that interferes with the signal reception.
 - b. Please check if the ambient temperature is too high.
 - c. Please check if the signals source is within the detection area.
 - d. Please check if the installation height corresponds to the prescribed as shown in the instruction.
- The sensor can't shut the load automatically:
 - a. Check if there are continual signals in the detection fields.
 - b. Check if the time delay is set to the longest.
 - c. Check if the power corresponds to the instruction.
 - d. Check if the temperature changes abruptly near the sensor, such as air condition or central heating etc.